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PIVA 09031950018 - Num. REA: 1020262
SDI 5RUO82D Cap. Soc. € 20.000 I.V

MASE IS 12 MARINE GENERATOR SINGLE-PHASE 11.2KW

Reference: 002781

MASE IS 12 super-silenced 11,2 KW AVR marine generator

MASE IS12 single-phase 11,2 KW marine generator with 1500 rpm motor. The MASE IS12 marine generator is designed with a soundproof enclosure that makes it **supersilenced**. The MASE IS12 marine generator is built with Yanmar diesel-powered engine and synchronous, self-excited, self-regulated brushless alternator with electronic voltage regulation **AVR** and air/water cooling. The AVR makes the voltage stable and avoids voltage fluctuations that can damage the connected sensitive electronic devices. With its small size, it is also suitable on small boats.

Technical features:

Maximum power Single-phase: 11.2 KW
Continuous use power Single-phase: 10. 2 KW
Fuel: Diesel
Voltage: 115 V / 230 V
Frequency: 50 Hz
Motor: Yanmar 3TNV88
Length: 985 mm
Width: 585 mm
Height: 730 mm
Weight: 344 Kg
AVR

Control panel

The CBU control panel of the MASE IS12 is designed to bring together, in a single panel, the commands, controls and protections of the generator. The elements that compose it are:
- Engine protection module for automatic shutdown of the generator set in case of high water temperature, low oil pressure, high alternator temperature.
- Operating hour meter.
- Start and shutdown switch.
- Magnetothermal switch for generator protection in case of overload or short circuit.
- Thermal switch for DC circuit protection

Alternator

- Synchronous, 4-pole, self-excited, brushless self-regulated with electronic AVR voltage regulation.

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- Rotor and stator are coated with epoxy paint to prevent corrosion.
- Dynamically balanced rotor.
- Class H insulation.

Soundproofing Cabin

The soundproofing cabin of the MASE IS12 of excellent design and new design, consists of a supporting structure in aluminum profile that supports panels in marine aluminum painted type 5754 remarkably light and very high resistance to external agents. The excellent accessibility to the internal compartment makes maintenance operations easier even with the MASE IS12 marine generator installed in cramped environments.

The W/A intercooler

Allows the genset to be completely free from external environmental conditions, allowing the alternator and the engine to work at an ideal temperature, optimizing the performance and reliability of the machine.

Cooling system

The cooling of the engine of the MASE IS12 takes place by circulating coolant in a closed circuit. The system is composed of a cupronickel exchanger, inside of which the heat exchange between coolant and sea water takes place. Two separate pumps circulate the coolant and seawater in the MASE IS12 generator. The cooling of the air, circulating inside the machine, is obtained through a sea water/air heat exchanger. The air flows guarantee an effective cooling of the alternator and the achievement of an optimal temperature for the performance and reliability of the machine. This system has the advantage of ensuring the best operating conditions of the generator set regardless of the ambient temperature of the housing.

If you are looking for another generator like the IS12 then you can consult the entire catalog of marine gensets.

Images and technical data are not binding.

Technical Sheet

Phase	Single phase
Maximum power single phase (KW)	11.2
Continuous power single phase (KW)	10.2
Maximum power single phase (KVA)	11.2
Continuous power single phase (KVA)	10.2
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	115 / 230
Engine	Yanmar 3TNV88, 4 stroke
Engine rpm (rpm)	1500

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Speed governor	Centrifugal, mechanical
Engine capacity (cm³)	1642
Number cylinders	3
Oil capacity (L)	6.7
Cooling	Air / water (Intercooler W/A)
Inyección	Direct
Alternator	Synchronous, self-excited
Poles	4
Lubrication	Forced
Consumption (L/h)	4 at 100% of the load
Acoustic pressure	50 dB(A) at 7 m
Length (mm)	985
Width (mm)	585
Height (mm)	730
Dry weight (Kg)	344
Silenced	Yes
Super silenced	Yes
Compression ratio	19.1 : 1
Product type	Generator
Voltage regulator	AVR
Engine manufacturer	Yanmar